

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>Case 21336</b>	<b>FOR FURTHER ACTION</b>		see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No.  <b>PCT/ EP 03/ 07875</b>	International filing date (day/month/year)  <b>18/07/2003</b>	(Earliest) Priority Date (day/month/year)  <b>26/07/2002</b>	
Applicant  <b>ROCHE VITAMINS AG</b>			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

ational application No.

PCT/EP 03/07875

### Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

Compositions comprising epigallocatechin gallate (EGCG) and lactoferrin; optionally including also vitamin E, vitamin C and a carotenoid; or epigallocatechin gallate, vitamin E, and a carotenoid; and their use in pet feed for preventing or treating plaque, gingivitis, periodontal disease and oral malodor (halitosis), and for enhancing the antioxidative capacity in the whole organism.

# INTERNATIONAL SEARCH REPORT

Application No  
PCT/EP 03/07875

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A23K1/16 A23K1/18 A61K38/40

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A23K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data, PAJ, FSTA, BIOSIS, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 00183 A (SIGMA TAU HEALTHSCIENCE SPA ;CAVAZZA CLAUDIO (IT)) 6 January 2000 (2000-01-06) example 13	3,6
X	WO 01 85183 A (NUTRICIA NV ;VERDEGEM PETER JULIEN EDWARD (NL)) 15 November 2001 (2001-11-15) claims 1,8,9; examples	3,5,6
X	DATABASE WPI Section Ch, Week 199420 Derwent Publications Ltd., London, GB; Class B05, AN 1994-167112 XP002257708 & WO 94 09801 A (SKYFOOD CO LTD), 11 May 1994 (1994-05-11) abstract	3,6

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

21 November 2003

Date of mailing of the international search report

05/12/2003

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/07875

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0000183	A	06-01-2000	IT	RM980433 A1	30-12-1999
			AU	4391199 A	17-01-2000
			WO	0000183 A2	06-01-2000
WO 0185183	A	15-11-2001	AU	5685501 A	20-11-2001
			WO	0185183 A2	15-11-2001
WO 9409801	A	11-05-1994	JP	2085061 C	23-08-1996
			JP	6145062 A	24-05-1994
			JP	7112980 B	06-12-1995
			AU	5286193 A	24-05-1994
			WO	9409801 A1	11-05-1994
DE 10204634	A	31-10-2002	DE	10204634 A1	31-10-2002

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PO 03/07875

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Koch, J

# INTERNATIONAL SEARCH REPORT

International Application No

P 03/07875

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	<p>DE 102 04 634 A (GREITHER SALUS HAUS DR OTTO) 31 October 2002 (2002-10-31) paragraph '0033! -----</p>	3, 6